This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**

- (Original) A process for making a metal-polymer composite suitable for shaping into food and beverage container end panels and container bodies, comprising:
- a. applying to a metal sheet a coating comprising a fully polymerized or nearly fully polymerized polymer selected from the group consisting of polyolefins, anhydride-modified polyolefins, epoxies, and phenoxies, and
- b. scissioning polymer chains in said polymer by irradiating said coating with an electron beam, thereby to improve resistance of said coating to feathering and angel hair formation.
- 2. (Original) The process of claim 1 wherein said metal sheet comprises a metal selected from the group consisting of aluminum alloys, steel, aluminum alloy-coated steel, and aluminum-coated steel.
- 3. (Original) The process of claim 1 wherein said motal sheet comprises an aluminum alloy of the AA3000 or AA5000 series.

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- 4. (Original) The process of claim 1 wherein said polymer comprises a polyolefin selected from the group consisting of polypropylene, polyethylene, propylene-cthylene copolymers, propylene-1-hexene copolymers, and mixtures thereof.
- 5. (Original) The process of claim 1 wherein said polymer comprises a polyolefin selected from the group consisting of polypropylene and copolymers comprising propylene and up to about 50 mole percent of a co-monomer.
- 6. (Original) The process of claim 1 wherein said polymer comprises a polyolefin modified with an anhydride selected from the group consisting of maleic anhydride, citraconic anhydride, itaconic anhydride, glutaconic anhydride, 2,3-dimethylmaleic anhydride, and mixtures thereof.
- 7. (Original) The process of claim 1 wherein said polymer comprises a polyolefin modified with about 0.5-20 weight percent maleic anhydride, based on the weight of the polyolefin.
- 8. (Original) The process of claim 1 wherein the step of applying the polymer coating to the metal sheet comprises extrusion coating, roll coating, or laminating.

- 9. (Original) The process of claim 1 wherein the step of irradiating comprises irradiating at a dosage of about 2-20 megarads.
- 10. (Original) The process of claim 1 wherein said step of irradiating is carried out for a sufficient time to embrittle said polymer in said coating.
- 11. (Original) The process of claim 1 wherein said polymer in said coating is fully cured before said step of irradiating.
- 12. (Original) The process of claim 1 further comprising c. shaping said composite into a container body or container end panel.
- 13. (Original) The process of claim 12 wherein step b. is performed before step c.
- 14. (Original) The process of claim 12 wherein step b. is performed after step c.
- 15. (Original) The process of claim 1 further comprising d. before step a., conversion coating a surface portion of said metal sheet.
- 16. (Original) A process for making an aluminum-polymer composite suitable for shaping

into container end panels having improved resistance to feathering and angel hair formation, comprising

a. applying to an aluminum alloy sheet a cured polymer coating comprising a fully polymerized maleic anhydride modified polyolefin, said polyolefin being selected from the group consisting of polypropylene and copolymers comprising propylene and up to about 50 mole percent of a co-monomer, thereby to form an aluminum-polymer composite, and

b. scissioning chains in said maleic anhydride modified polyolefin by irradiating the cured polymer coating on said composite with an electron beam.

- 17. (Withdrawn) An aluminum-polymer composite made by the process of claim 16.
- 18. (Withdrawn) A container end panel shaped from the composite of claim 17.
- 19. (Newly added) A process for making a metal-polymer composite suitable for shaping into food and beverage container end panels and container bodies, comprising:

a. applying to a metal sheet a coating comprising a fully polymerized or nearly fully polymerized polymer selected from the group consisting of polyolefins, anhydride-modified polyolefins, epoxies, and phenoxies, and

b. scissioning polymer chains in said polymer by irradiating said coating with an electron beam, wherein said irradiating is carried out for a sufficient time to embrittle said polymer in said coating, thereby to improve resistance of said coating to feathering and angel hair formation.